

Converting Colors

CIELCh(73, 47.581, 332.297)

Have a look what the booklet for
CIELCh(73, 47.581, 332.297)
contains.

CIELCh(73, 47.337, 332.444)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(73, 47.337, 332.444)

Conversions

Conversions Part 1

Format	Color
Hex	EC97DC
RGB	236, 151, 220
RGB Percent	93%, 59%, 86%
CMY	0.0743, 0.4076, 0.1370
CMYK	0.00, 0.36, 0.07, 0.07
HSL	311°, 69%, 76%
HSV	311°, 36%, 93%
XYZ	58.6132, 45.1644, 73.3780
YIQ	184.2810, 28.5110, 39.4790

Conversions

Conversions Part 2

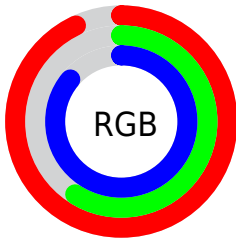
Format	Color
RYB	236, 151, 220
Decimal	15505372
CIELab	73.00, 41.97, -21.90
CIELCh	73, 47.337, 332.444
Yxy	45.1644, 0.3309, 0.2549
Android (android.graphics.Color)	4293695452 (0xFFEC97DC)
YUV	184.2810, 17.6095, 45.3576
Hunter-Lab	67.2044, 38.0733, -17.6934

Details

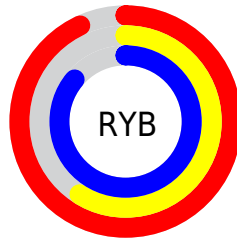
The CIELCh color $73, 47.337, 332.444$ is a light color, and the websafe version is hex `FF99CC`. A complement of this color would be $87, 47.192, 147.241$, and the grayscale version is $75, 0.009, 296.813$.

A 20% lighter version of the original color is $88, 30.725, 325.494$, and $53, 47.507, 332.446$ is the 20% darker color. If you saturate the color by 10%, you get $68, 59.694, 333.138$, and if you desaturate by 10%, it is $78, 34.341, 331.768$.

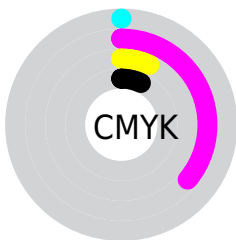
Distribution



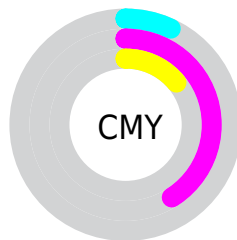
- Red (93%)
- Green (59%)
- Blue (86%)



- Red (93%)
- Yellow (59%)
- Blue (86%)



- Cyan (0%)
- Magenta (36%)
- Yellow (7%)
- Black (7%)




- Cyan (7%)
- Magenta (41%)
- Yellow (14%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 47.337, 332.444 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 73, 47.337, 332.444 by changing the saturation by 10% instead.

 73, 47.337,
332.444

 73, 47.337,
332.444

 100, 47.337,
332.444

 63, 47.337,
332.444


 93, 47.337,
332.444

 53, 47.337,
332.444

 43, 47.337,
332.444

 33, 47.337,
332.444

 23, 47.337,
332.444

 13, 47.337,
332.444

 3, 47.337, 332.444

0, 47.337, 332.444

73, 47.337,
332.444

73, 47.337,
332.444

68, 59.694,
333.138

78, 34.341,
331.768

64, 70.920,
333.853

84, 21.098,
331.108

60, 80.426,
334.595

90, 7.871, 330.448

57, 87.626,
335.383

96, 5.163, 149.951

55, 92.099,
336.244

98, 9.331, 154.966

54, 93.776,
337.213

98, 7.871, 166.608

99, 6.853, 182.498

■ 54, 93.962,
337.625

■ 99, 6.494, 199.096

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



73, 47.337, 332.444



87, 47.192, 147.241

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73, 47.337, 332.444



73, 47.337, 22.444



73, 47.337, 152.444



73, 47.337, 202.444

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



73, 47.334, 332.444



93, 15.393, 330.784



67, 47.399, 300.608



49, 10.351, 330.873



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



73, 47.334, 332.444



75, 59.675, 332.940



72, 35.406, 359.018



46, 7.422, 330.680



41, 77.212, 337.434



9, 33.759, 335.847

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



73, 47.334, 332.444



75, 59.675, 332.940



88, 31.988, 171.130



46, 7.422, 330.680



41, 77.212, 337.434



9, 33.759, 335.847

Previews

White Background



This preview shows how the CIELCh color 73, 47.337, 332.444 looks on a white background.

Color Contrast Check

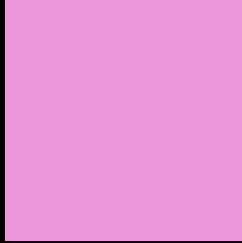
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 73, 47.337, 332.444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

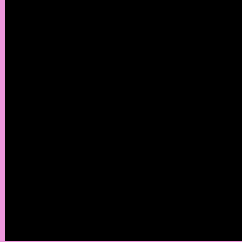
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 73, 47.337, 332.444

Background



This preview shows how black text looks on a background with the CIELCh color 73, 47.337, 332.444.



This preview shows how white text looks on a background with the CIELCh color 73, 47.337, 332.444.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
73, 28.041, 7.757

Trichromacy



Original Color
73, 47.337, 332.444



Protanomaly
73, 35.672, 304.617



Deuteranomaly
73, 29.642, 315.434



Tritanomaly
73, 33.073, 350.308

Monochromacy



Original Color
73, 47.337, 332.444



Achromatopsia
75, 0.009, 296.813



Achromatomaly
74, 17.733, 331.237

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 47.337, 332.444 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(236, 151, 220)` looks like.

```
.text, #text, p{  
    color:rgb(236, 151, 220)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(236, 151, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 151, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 47.337, 332.444 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(236, 151, 220) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(236, 151, 220) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(236, 151, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 151, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 151, 220);  
box-shadow:4px 4px 4px 4px rgb(236, 151,  
220) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 47.337, 332.444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 151, 220) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(236,  
151, 220) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor